

85. (new) An ingot comprising high purity tantalum comprising tantalum, less than about 500 ppm, by weight, total metallic impurities, less than about 50 ppm, by weight, niobium, and less than about 50 ppm, by weight, tungsten or molybdenum.

86. (new) The ingot of claim 85 wherein less than about 100 ppmw oxygen is present.

87. (new) The ingot of claim 85 comprising tantalum and less than 5 ppm by weight (ppmw) molybdenum or tungsten.

88. (new) The ingot of claim 87 comprising tantalum and less than 3 ppmw molybdenum or tungsten.

89. (new) An ingot comprising tantalum, less than about 500 ppm, by weight, total metallic impurities, and less than 5 ppmw each of molybdenum and tungsten.

90. (new) The ingot of claim 89 comprising tantalum and less than 3 ppmw each of molybdenum and tungsten.

91. (new) A powder comprising high purity tantalum comprising tantalum, less than about 500 ppmw total metallic impurities, less than about 50 ppm, by weight, niobium, and less than about 50 ppmw tungsten or molybdenum.

92. (new) The powder of claim 91 comprising less than about 100 ppmw oxygen.

93. (new) The powder of claim 91 comprising less than 5 ppmw molybdenum or tungsten.

94. (new) The powder of claim 93 comprising less than 3 ppmw molybdenum or tungsten.

95. (new) A powder comprising tantalum, less than about 500 ppmw total metallic impurities, and less than 5 ppmw each of molybdenum and tungsten.

96. (new) The powder of claim 95 comprising less than 3 ppmw each of molybdenum and tungsten.